Chemistry and Physics of Lipids, 63 (1992) 277–278
Elsevier Scientific Publishers Ireland Ltd.

Contents

Volume 63 (1992)

M. Seras, R-M. Handjani-Vila, M. Ollivon and S. Lesieur (Châtenay-Malabry and Rungis Cedex, France), *Kinetic aspects of the solubilization of non-ionic monoalkyl amphiphile-cholesterol vesicles by octylglucoside* 1

O. Zschörnig, K. Arnold, W. Richter and S. Ohki (Buffalo, NY; Leipzig and Jena, Germany), *Dextran sulfate-dependent fusion of liposomes containing cationic stearylamine* 15

T. Bakos, J. Horváth and I. Vincze (Dóm tér and Gyömrői út, Hungary), *Steroids, XLVII: A facile synthesis of 3β-hydroxy-5α-cholest-8(14)-en-15-one* 23

P. Mésini, L. Lebeau, P. Oudet, C. Mioskowski (Illkirch and Strasbourg Cedex, France), *Monolayer study of a new class of synthetic amino-etherlipids* 27

P.-F. Wang and R.-L. Zheng (Gansu, People's Republic of China), *Inhibitions of the autoxidation of linoleic acid by flavonoids in micelles* 37

T. Ioneda and B.L. Beaman (São Paulo, Brasil; Davis, CA), *Molecular weight determination of methyl esters of mycolic acids using thermospray mass spectrometry* 41

B.R. Ratna, S. Baral-Tosh, B. Kahn, J.M. Schnur and A.S. Rudolph (Washington, DC; Gainesville, FL and Fort Washington, MD), *Effect of alcohol chain length on tubule formation in 1,2-bis(10,12-tricosadiynoyl)-sn-glycero-3-phosphocholine* 47

Q.-T. Li and W.H. Sawyer (Singapore, Singapore; Parkville, Australia), *Effect of ionic strength on the transfer of 1-pyrenemethyl-3β-hydroxy-22,23-bisnor-5-cholenate between bilayer vesicles containing phosphatidylserine* 55

M.S.F. Lie Ken Jie, Y.K. Cheung, S.H. Chau, W.W. Christie and E.Y. Brechany (Hong Kong, Hong Kong; Ayr, UK), *Mass spectra of the picolinyl ester derivatives of some conjugated diacetylenic fatty acids* 65

K. Fukuzawa, W. Ikebata, A. Shibata, I. Kumadaki, T. Sakanaka and S. Urano (Tokushima, Osaka, Tokyo, Japan), *Location and dynamics of α-tocopherol in model phospholipid membranes with different charges* 69

A.U. Siddiqui, W.K. Wilson, K.E. Ruecker, F.D. Pinkerton and G.J. Schroepfer, Jr. (Houston, TX), *Inhibitors of sterol synthesis. Chemical syntheses and spectral properties of 26-oxygenated derivatives of 3β-hydroxy-5α-cholest-8(14)-en-15-one and their effects on 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in CHO-K1 cells* 77

J.E. Baatz, K.L. Smyth, J.A. Whitsett, C. Baxter and D.R. Absolom (Charleston, SC; Cincinnati, OH and Columbus, OH), *Structure and functions of a dimeric form of surfactant protein SP-C: a Fourier transform infrared and surfactometry study* 91

D. Bach, E. Wachtel, N. Borochov, G. Senisterra and R.M. Epand (Rehovot, Israel; Hamilton, Ontario), *Phase behaviour of heteroacid phosphatidylserines and cholesterol* 105

A.U. Siddiqui, W.K. Wilson, S. Swaminathan and G.J. Schroepfer, Jr. (Houston, TX), *Efficient preparation of steroidal 5,7-dienes of high purity* 115

M. Tomoaia-Cotisel, E. Chifu, J. Zsako, A. Mocanu, P.J. Quinn and M. Kates (Marburg/Lahn, Germany; Buffalo, NY; Cluj-Napoco, Romania; London, UK and Ottawa, Ontario), *Monolayer properties of archaeol and caldarchaeol polar lipids of a methanogenic archaebacterium, Methanospirillum hungatei*, at the air/water interface 131

M. Khalique Ahmed, C.T. Choma and P.T.T. Wong (Ottawa, Ontario), *High pressure FTIR study of interaction of melittin with dimyristoylphosphatidyl glycerol bilayers* 139

Short Communication

G. Arsequell, G. Fabriás, L. Gosalbo and F. Camps (Barcelona, Spain), *Synthesis of inhibitors of a delta-11 desaturase in the moth Spodoptera littoralis* 149

G. Pifat, J. Brnjas-Kraljević, G. Jürgens, C.M. Herak-Kramberger and J.N. Herak (Zagreb, Croatia; Graz, Austria), *Chemical modification of low-density lipoprotein enhances the number of binding sites for divalent cations* 159

B. Azize, A. Cao, E. Hantz-Brachet, G. Perret, G. Lewin and E. Taillandier (Bobigny and Chatenay-Malabry, France), *Thermal behavior and elastic properties of phospholipid bilayers under the effect of a synthetic flavonoid derivative, LEW-10* 169

P. Allevi, M. Anastasia, P. Ciuffreda, A.M. Sanvito and A. Scala (Milan, Italy), *A simple one pot synthesis of aromatic steroidal and non-steroidal C-glucosides via O-*glucosides 179

A. Singh, M.A. Markowitz and Li-I Tsao (Washington, DC), *Modulation of bilayer structures derived from diacetylenic phosphocholines containing oxygen linker β to diacetylene* 191

T. Inoue, T. Tasaka and R. Shimozawa (Fukuoka, Japan), *Miscibility of binary phospholipid mixtures under hydrated and unhydrated conditions. I. Phosphatidic acids with different acyl chain length* 203

M. Hein, A. Post and H.-J. Galla (Münster, Germany), *Implications of a non-lamellar lipid phase for the tight junction stability. Part I: Influence of basic amino acids, pH and protamine on the bilayer-hexagonal II phase behaviour of PS-containing PE membranes* 213

M. Hein, C. Madefessel, B. Haag, K. Teichmann, A. Post and H.-J. Galla (Münster, Germany), *Implications of a non-lamellar lipid phase for the tight junction stability. Part II: Reversible modulation of transepithelial resistance in high and low resistance MDCK-cells by basic amino acids, Ca^{2+}, protamine and protons* 223

M.A. Krajewski-Bertrand, A. Milon and M.A. Hartmann (Strasbourg, France), *Deuterium-NMR investigation of plant sterol effects on soybean phosphatidylcholine acyl chain ordering* 235

T. Inoue, I. Motoda, N. Hiramatsu, M. Suzuki and K. Sato (Fukuoka, Amagasaki and Higashi-Hiroshima, Japan), *Phase behavior of binary mixtures of cis-monounsaturated fatty acids with different ω-chain length* 243

P.K.J. Kinnunen (Helsinki, Finland), *Fusion of lipid bilayers: a model involving mechanistic connection to H_{II} phase forming lipids* 251

Short Communications

S.C. Cunnane, B. Descomps, S.C.R. Williams, P.R. Haycock, Z-Y. Chen and F. Mendy (Toronto, Canada; Montpellier and Paris, France; London, UK), *Carbon-specific detection of ^2H enrichment in long chain fatty acids by ^{13}C-NMR: potential application to studies of fatty acid metabolism* 259

I. Hermosín, F. Ledl and A. Gómez-Sánchez (Stuttgart, Germany and Sevilla, Spain), *Influence of oxidized lipids on the non-enzymic browning reaction: interaction between linolenic acid and an Amadori compound* 265

Subject Index — Volume 63 271

Author Index — Volume 63 275

Contents — Volume 63 277